

Title (en)
Piping system having a throttle valve

Title (de)
Leitungssystem mit Drosselklappe

Title (fr)
Système de tuyauterie avec un papillon

Publication
EP 1063406 B1 20040915 (DE)

Application
EP 00111985 A 20000619

Priority
DE 19928354 A 19990621

Abstract (en)
[origin: EP1063406A1] A throttle plate (16) is pivotable in the cross-section (17) of a pipe system. When in its closed position, the throttle plate leaves open a residual cross-section through which fluid to be throttled can flow. The throttle plate may be arranged in the narrowest section of a pipe section with a veturi-shaped cross-sectional profile, esp. an inlet manifold. The throttle plate may be arranged in the inlet region of the intake manifold. The residual cross-section may be ring-shaped and between 10 and 40 per cent of the total area of the cross-section. An Independent claim is included for a method of controlling a throttle in an internal combustion engine.

IPC 1-7
F02D 9/10; **F02M 35/12**

IPC 8 full level
F02D 9/10 (2006.01); **F02M 35/10** (2006.01); **F02M 35/12** (2006.01)

CPC (source: EP US)
F02D 9/104 (2013.01 - EP US); **F02M 35/10013** (2013.01 - EP US); **F02M 35/10255** (2013.01 - EP US); **F02M 35/1222** (2013.01 - EP US)

Cited by
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